Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

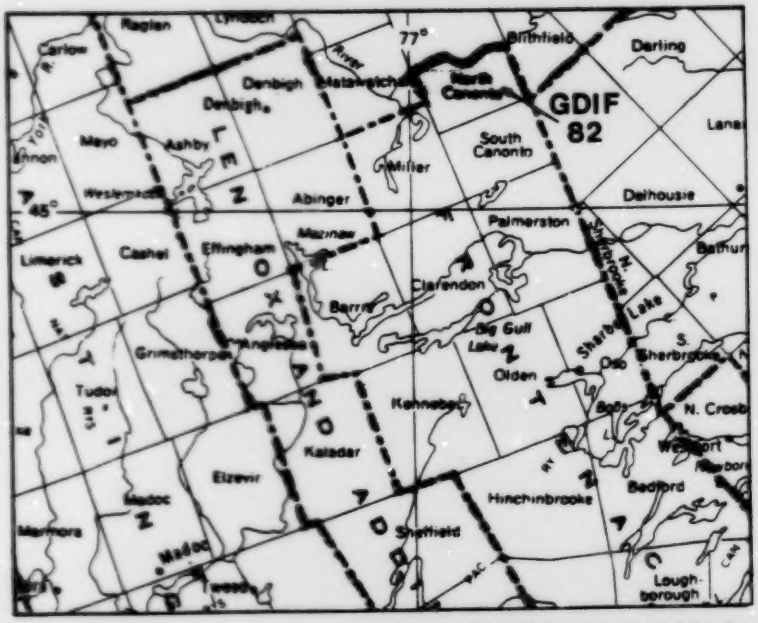
John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO
GDIF 82

NORTH CANONTO TOWNSHIP

FRONTENAC COUNTY

Compiled by the Staff of
the Resident Geologist's Office,
Tweed



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

85-1178/

NTS Number 31F/2

Mining Claim Map Number 68

This project was funded by the Mining Sector Work Program under the sponsorship of Barrie Township.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey;

1984: North Canonto Township, Frontenac County; Ontario Geological Survey Geological Data Inventory Folio 82, Compiled by the staff of the Resident Geologist's Office, Tweed, 14p. and 2 maps.

Original Compilation by: David Marek, January 10, 1983.

Date	Page Revised	Revised by

Date	Page Revised	Revised by

NORTH CANONTO TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map – 1 map

Exploration Data Map – 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

NORTH CANONTO TOWNSHIP

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	No	D.M.
2	Assessment Files Research Office, Toronto	No	D.M.
3	ODM General Index; 7 volumes	Yes	D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	D.M.
6	ODM Industrial Mineral Reports	No	D.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	D.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	N.A.	D.M.
9	Newspaper Clippings File	No	D.M.
10	GSC Index to Publications	No	D.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	No	D.M.
12	OGS Index Maps	Yes	D.M.
13	Source Mineral Deposit Records (O.G.S.)	No	D.M.
14	Author - Subject Articles File	No	D.M.
15	Miscellaneous Papers: ODM & OGS	No	D.M.
16	ODM Geological Circulars: OGS Study Series	No	D.M.
17	ODM Preliminary Reports: ODM Bulletins	No	D.M.
18	ODM – OGS Open File Reports	Yes	D.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	N.A.	D.M.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.M.
21	OGS Mineral Potential Maps	Yes	D.M.
22	Aerial Photographs on File, Tweed	Yes	D.M.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ brsn . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- △ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (fluorspar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . Goethite
- △ Au . . . . . Gold
- △ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd. . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc . . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- ▲ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- ▲ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Mountain Chute	U, Th			Lot 19, Con. 9 OGS 1980 OFR 5294, p.195-196 OGS Map P.2210

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																								
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMED	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY								
1	Axiotis, N.										76															
	Axiotis, N.								78																	
	Axiotis, N.									81																
	Axiotis, N.	81																								
2	Pilotzke, N.			80																						
	Pilotzke, N.			80																						

GMF FORM NO. 2

NORTH CANONTO TOWNSHIP

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Map Drilling Location Number	Company Name								

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	By: P.G.Lacombe & Associates Consulting Engineers For: Axiotis, N.	Spectrometer	250'	N/S	1/8 mile
2	By: P.G.Lacombe & Associates Consulting Engineers For: Axiotis, N.	Magnetometer	325'	N/S	660'

GDIF FORM NO. 4

NORTH CANONTO TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kemptville, Ont.

GDIF FORM NO. 7

NORTH CANONTO TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched: North Canonto

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

NORTH CANONTO TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Lumbers, S. B.	1982	Summary of Metallogeny, Renfrew County Area	OGS Report 212 58 p. Map 2462	1:100000
		GEOPHYSICAL MAPS		
G.S.C.	1981	Aeromagnetic Maps - North Canonto Township	68G	1"=1 mile
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
O.G.S.	1973	Southern Ontario Physiograph, South East	Map 2227	
		MINERAL POTENTIAL MAPS		
Springer, Janet	1978	Ontario Mineral Potential, Kingston and part of the Ogdensburg sheets; Mineral Deposits Series	O.G.S. P.1505	1:250 000
		GEOCHEMICAL		

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Gorden, J. B. and Masson, S. L.	1980	Radioactive Mineral Deposits of the Pembroke-Renfrew Area.	O.G.S. O.F.R. 5294, Map P2210	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		

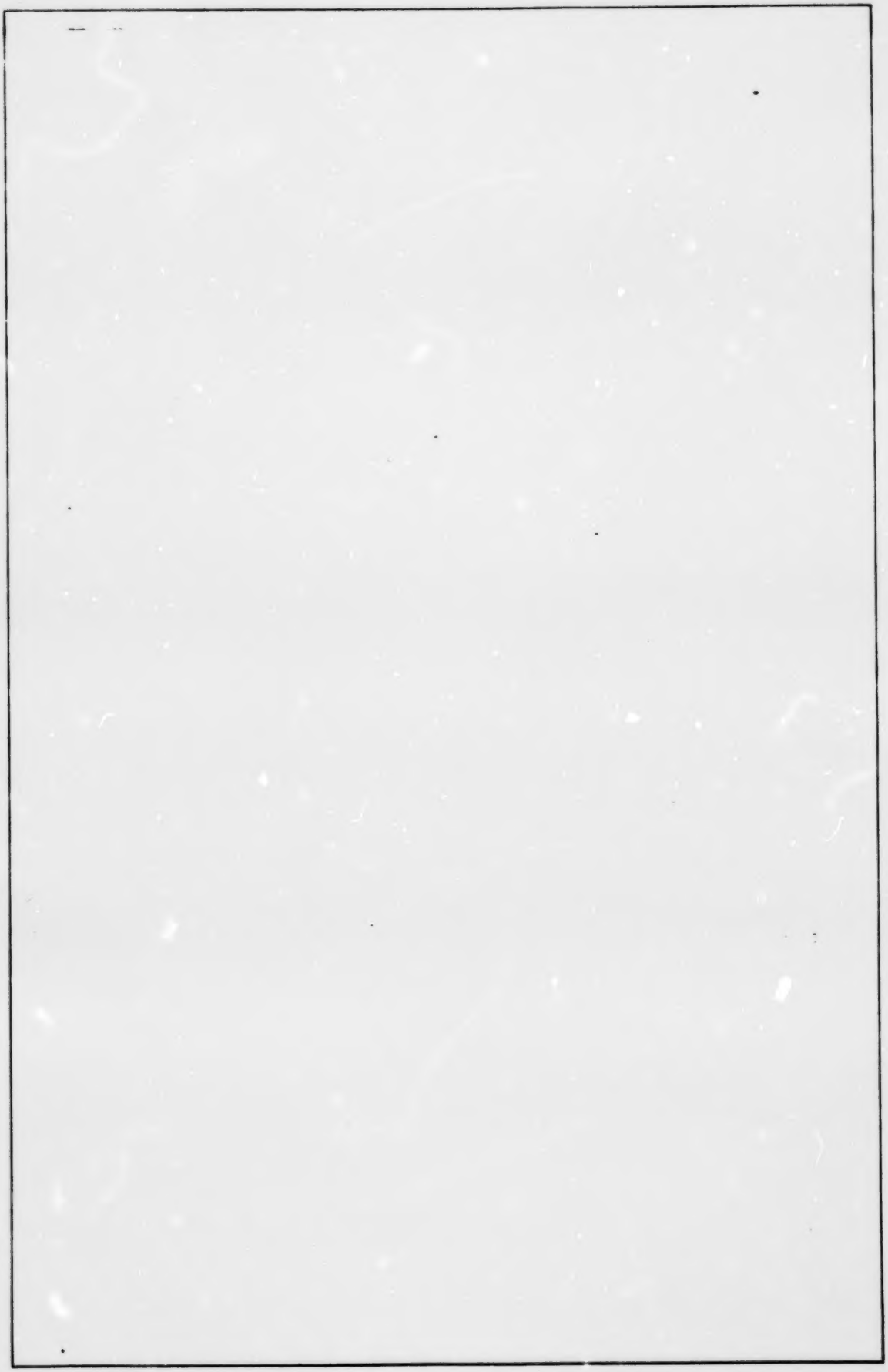
GDIF FORM NO. 9

NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

Year	Flight Line	Roll Number	Photo Numbers
1978	4512	153	90 - 108
1978	4511	79	197 - 217
1978	4510	79	49 - 62
1978	4509	157	6 - 11

GDIF FORM NO. 10



NORTH CANONTO TOWNSHIP

MAPS NOT

FILMED

CARTES

OMISES